



**Microsoft**

**70-494**

*Recertification for MCSD: Web Applications*

**Answer:** A

**QUESTION:** 43

You need to choose the appropriate data access strategy for the college textbook area of the web application. Which data access technology should you implement?

- A. ADO.NET
- B. Entity Data Model (EDM)
- C. WCF Data Services
- D. LINQ to SQL

**Answer:** A

**Explanation:**

\* Scenario: The college textbook area of the web application must get data from a daily updated CSV file.

\* ADO.NET reads the CSV file in a very similar way as table in database.

**QUESTION:** 44

You need to update the ImportBooks() method to use database transactions. Which code segment should you use?

- A. SqlConnection.BeginTransaction(IsolationLevel.RepeatableRead);
- B. SqlConnection.BeginTransaction(IsolationLevel.ReadUncommitted);
- C. SqlConnection.BeginTransaction(IsolationLevel.Serializable);
- D. SqlConnection.BeginTransaction(IsolationLevel.Snapshot);

**Answer:** B

**Explanation:**

\* scenario: The ImportBooks() method must keep a copy of the data that can be accessed while new books are being imported without blocking reads.

\* ReadUncommitted

A dirty read is possible, meaning that no shared locks are issued and no exclusive locks are honored.

**QUESTION:** 45

The PurchaseOrders.xml file contains all of the purchase orders for the day. You need to query the XML file for all of the billing addresses. Which code segment should you use?

- ☐ A. 

```
XElement root = XElement.Load("PurchaseOrders.xml");
XNamespace aw = "http://www.adventure-works.com";
IEnumerable<XElement> address =
    from el in root.Elements(aw + "Items")
    where (string)el.Attribute(aw + "Type") == "Shipping"
    select el;
foreach (XElement element in address)
{
    Console.WriteLine(element);
}
```
- ☐ B. 

```
XElement root = XElement.Load("PurchaseOrders.xml");
XNamespace aw = "http://www.adventure-works.com";
IEnumerable<XElement> address =
    from el in root.Elements(aw + "Address")
    where (string)el.Attribute(aw + "Type") == "Shipping"
    select el;
foreach (XElement element in address)
{
    Console.WriteLine(element);
}
```
- ☐ C. 

```
XElement root = XElement.Load("PurchaseOrders.xml");
XNamespace aw = "http://www.adventure-works.com";
IEnumerable<XElement> address =
    from el in root.Elements(aw + "Items")
    where (string)el.Attribute(aw + "Type") == "Billing"
    select el;
foreach (XElement element in address)
{
    Console.WriteLine(element);
}
```
- ☐ D. 

```
XElement root = XElement.Load("PurchaseOrders.xml");
XNamespace aw = "http://www.adventure-works.com";
IEnumerable<XElement> address =
    from el in root.Elements(aw + "Address")
    where (string)el.Attribute(aw + "Type") == "Billing"
    select el;
foreach (XElement element in address)
{
    Console.WriteLine(element);
}
```

- A. Option A  
B. Option B  
C. Option C  
D. Option D

**Answer:** D

**QUESTION:** 46

You need to return the list of the top 100 books for the GetTopBooks() method. Which type should you use to retrieve the data?

- A. SqlDataReader
- B. DataSet
- C. DataTable
- D. Data View

**Answer:** A

**QUESTION:** 47

You need to choose the appropriate data access technology for the cookbook area of the web application. Which data access technology should you choose?

- A. WCF Data Services
- B. LINQ to SQL
- C. Entity Framework
- D. ADO.NET

**Answer:** A

**Explanation:**

\* Scenario: The cookbook functionality is contained within a client-side application that must connect to the server using HTTP and requires access to the data using JavaScript.

\* WCF Data Services (formerly known as "ADO.NET Data Services") is a component of the .NET Framework that enables you to create services that use the Open Data Protocol (OData) to expose and consume data over the Web or intranet by using the semantics of representational state transfer (REST). OData exposes data as resources that are addressable by URIs. Data is accessed and changed by using standard HTTP verbs of GET, PUT, POST, and DELETE

\* WCF Data Services uses the OData protocol for addressing and updating resources. In this way, you can access these services from any client that supports OData. OData enables you to request and write data to resources by using well-known transfer formats: Atom, a set of standards for exchanging and updating data as XML, and JavaScript Object Notation (JSON), a text-based data exchange format used extensively in AJAX application.

## Section 4: Sec Four (48 to 50)

Details: Topic 8, Mix Questions B

### QUESTION: 48

You are designing an ASP.NET Web API application. You need to select an HTTP verb to allow blog administrators to remove a comment. Which HTTP verb should you use?

- A. PUT
- B. DELETE
- C. POST
- D. GET

**Answer: B**

### QUESTION: 49

DRAG DROP

You are developing an ASP.NET Web API action method. The action method must return the following JSON in the message body.

```
{"Name": "Fabrikam", "VendorId": 9823, "Items": ["Dogs", "Cats"]}
```

You need to return an anonymous object that is serialized to JSON.

What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Answer Area

```
public object Get()
{
    [ ]
    {
        Name = [ ]
        Items = [ ]
    }
}
```

**Answer:**

Answer Area

```
public object Get()
{
    return new List<string>
    {
        Name = "Fabrikam", VendorNumber = 9823,
        Items = new List<string> { "Dogs", "Cats" }
    }
}
```

### QUESTION: 50

#### DRAG DROP

You are developing an ASP.NET Web API action method. The action method must return the following JSON in the message body.

{" Name ":" Fabrikam", "Vendor Id": 9823, "Items": ["Apples", "Oranges"]} } You need to return an anonymous object that is serialized to JSON.

What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

The interface shows a list of code segments on the left and an empty answer area on the right. The segments are:

- "Fabrikam", VendorNumber = 9823,
- "Fabrikam", VendorNumber = "9823",
- new List<string> { "Apples", "Oranges" }
- new List<string> { "Apples, Oranges" }
- return new List<string>
- return new

The answer area on the right contains the following C# code structure:

```
public object Get()
{
    // Empty box for code segment
    {
        Name = // Empty box for code segment
        Items = // Empty box for code segment
    };
}
```

#### Answer:

The interface shows the same code segments on the left, but now they are dragged into the answer area on the right. The segments are highlighted with green borders. The answer area on the right contains the following C# code structure:

```
public object Get()
{
    return new List<string>
    {
        Name = "Fabrikam", VendorNumber = 9823,
        Items = new List<string> { "Apples", "Oranges" }
    };
}
```

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